



Format Converter

User Manual

UD06785B

User Manual

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This Manual is applicable to Video Converter Software.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website

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Chapter 1 Introduction

1.1 Overview

The Format Converter is the software designed for converting the files or real-time streams with the parameter configurable, such as format, encoding type, resolution, bitrate, etc. With user-friendly GUI, the software provides an intuitive, convenient way for controlling the conversion, and supports converting multiple file types.

1.2 Main Features

- Support converting multiple file formats, such as *.hik, *.ps, *.ts, *.mp4, *.3gpp, *.mov, *.avi, *.asf, and *.flv.
- Support converting multiple streams of the various kinds of devices, such as DVR, encoder, network camera, network speed dome, etc.
- Support multiple file formats to convert to, including HIK, MPEG2-PS, MPEG2-TS, MP4, 3GPP, MOV, AVI, ASF, and FLV.
- Multiple languages GUI are provided.
- Get the information of file or stream.
- Play the video of the added files or stream.
- Support converting the video files from H.265 format to other formats.
- Support converting the encrypted video files.

1.3 System Requirements

Operating System: Microsoft Windows 7 (32-bit or 64-bit) / Windows 8 (32-bit or 64-bit) / Windows 10 (32 / 64-bit)


RAM: 512MB or above

1.4 Conventions

In order to simplify the description, we define the “Format Converter” as “software” in the following chapters.

Chapter 2 Getting Started


2.1 Running Software

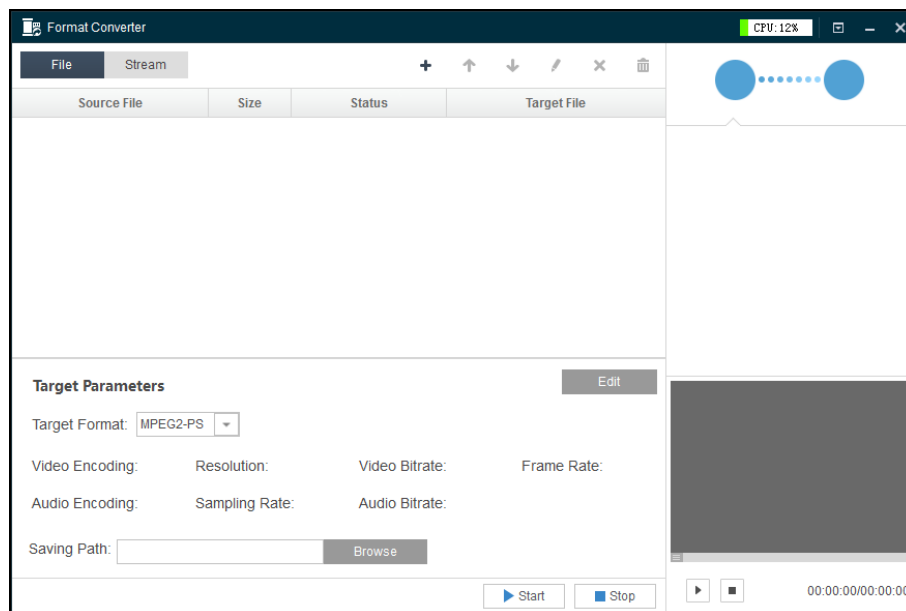
The software is installation-free and you can directly decompress the downloaded package and double-click the  in the folder to run the software.

Note: To remove the software, you can just delete the folder.

The main interface of the software is shown below.

You can view the CPU usage of your PC.

You can also click  to set the system configuration, view the user manual, and check the software information.



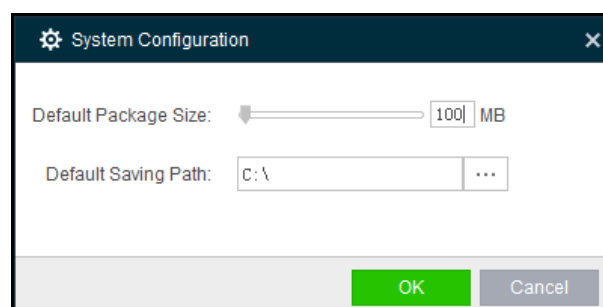
2.2 System Configuration

Purpose:

You can set the system configurations.

Steps:

1. Click  and select **System Configuration** to enter the System Configuration page.



2. Set the default package size and saving path for the converted files.
 - **Default Package Size:** Set the packed size of the converted file for real-time stream conversion. The maximum size of the converted file will be the configured value. You can edit the specific package size when adding real-time streams.
 - **Default Saving Path:** Set the default saving path for the converted files. You can edit the specific saving path when adding files or real-time streams.
3. Click **OK** to save the settings.


Chapter 3 Converting Local Files

3.1 Adding Video Files

Purpose:







You can add the video files that are stored on your PC to the software for converting.

Steps

1. Select **File** tab.
2. Click , or right-click on the file list and click **Add File** to pop up Open dialog.
3. Select one or more files.
4. Click **Open** to add video file(s) to the Converter.

The added video files list in the converter. For the normal files, the status is Unconverted. For the encrypted files, the status is File Encrypted.

You can also perform the following operations.

- Select a file and click  or , or click **Move Up** or **Move Down** on the right-click menu to adjust its position. The files will be converted in sequence.
- Select a file and click , or click **Edit Target Parameters** on the right-click menu to edit the target parameters. For details, refer to *Chapter 3.2 Editing Target Parameters*.
- Select a file and click , or click **Delete** on the right-click menu to delete the video file.
- Click  and click **Clear**, or click **Clear** on the right-click menu to delete all the video files.
- Click  and click **Delete Completed Items**, or click **Delete Completed Items** on the right-click menu to delete all the completed video files.


3.2 Editing Target Parameters

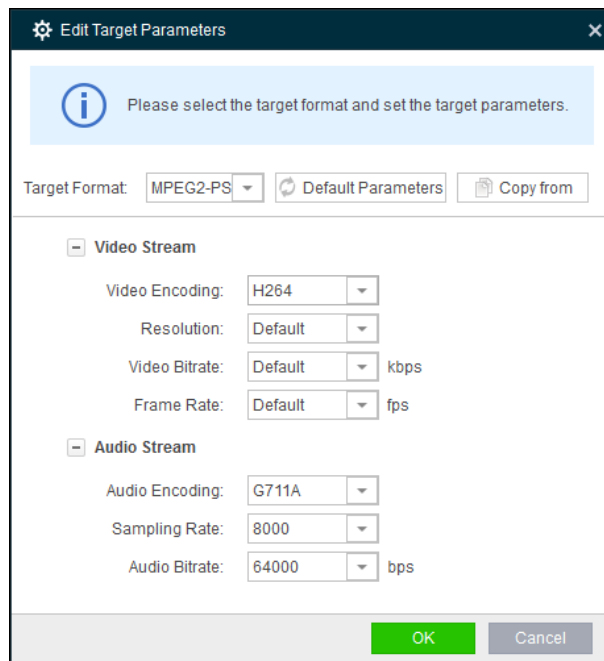
Purpose:

After adding the video files, you can edit the output settings if you want to edit the parameters.

Note: Only the unconverted video files can be edited.

Steps:

1. Select a file and click , or click **Edit Target Parameters** on the right-click menu, or click **Edit** in Target Parameters field to pop up Edit Target Parameters dialog.



2. Select the target format from the drop-down list.
3. Set the video stream related parameters.
 - **Video Encoding:** Select the encoding type for video stream of the file.
 - **Resolution:** Select the resolution for the file. You can also select **Custom** to set the resolution as desired.
 - **Video Bitrate:** Select the bitrate for the video stream of the file.
 - **Frame Rate:** Select the frame rate for the file. You can also select **Custom** to set the resolution as desired.
4. Set the audio stream related parameters.
 - **Audio Encoding:** Select the encoding type for audio stream of the file.
 - **Sampling Rate:** Select the sampling rate for the file.
 - **Audio Bitrate:** Select the bitrate for the audio stream of the file.
5. (Optional) Click **Default Parameters** to use the default parameters for converting.
6. (Optional) Click **Copy from** and select a added file or stream to copy the conversion settings from it.
7. Click **OK** to save the settings.

3.3 Converting Files

Purpose:


After adding the video files, you can convert the files into the target files as desired.

3.3.1 Converting Normal Files

Steps:

1. View the output settings below the list, including target format, video stream settings, and audio stream settings.

You can also view the original video parameters and target video parameters on the right panel.

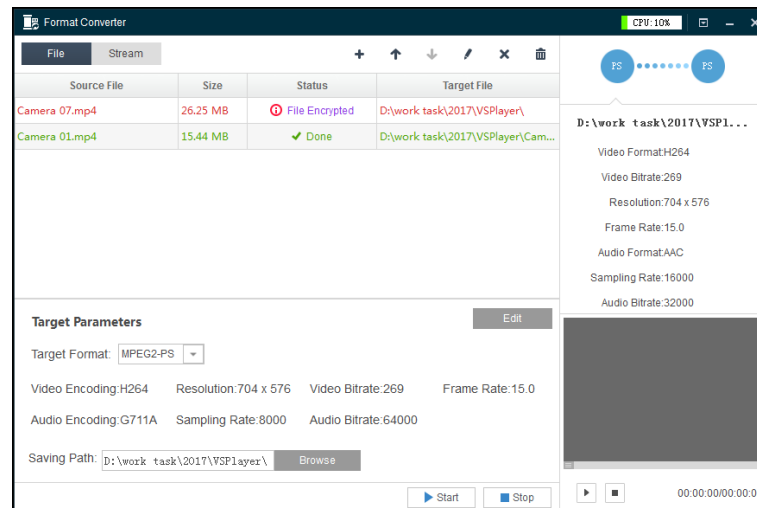
2. (Optional) Click  in the play window on the lower-right corner to view the video files.
3. (Optional) Click **Edit** to edit the target video parameters as desired.

For details, refer to *Chapter 3.2 Editing Target Parameters*.

4. Set the saving path for saving the converted file.
5. Click **Start** to convert all the added files.

You can also click **Pause** or **Stop** to pause or stop the conversion.

The status of the converted files changes to *Done*.

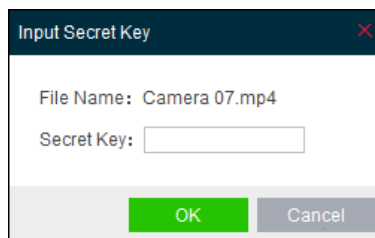


6. Right-click on the stream list and select **Open Saving Path** to pop up the folder that stores the target files and view the target files.

3.3.2 Converting Encrypted Files

Steps:

1. Decrypt the encrypted file.
 - 1) Right-click the encrypted file and select **Input Secret Key** to pop up Input Secret Key dialog.



- 2) Input the secret key.
 - 3) Click **OK** to decrypt the file.
- The status of encrypted file changes to **File Decrypted**.
2. Convert files.

Refer to *Chapter 3.3.1 Converting Normal Files* for details about converting files.


Chapter 4 Converting Real-Time Stream

4.1 Connecting Real-Time Stream

Purpose:

You can connect the real-time stream of the online devices for converting.

Steps:

1. Select **Stream** tab.
2. Click , or right-click on the file list area and select **Add Task** to pop up the New Task window.
3. Input the required parameters.

IP Address: Enter the IP address of the device to get stream from.

Port: Input the port No. of the device.

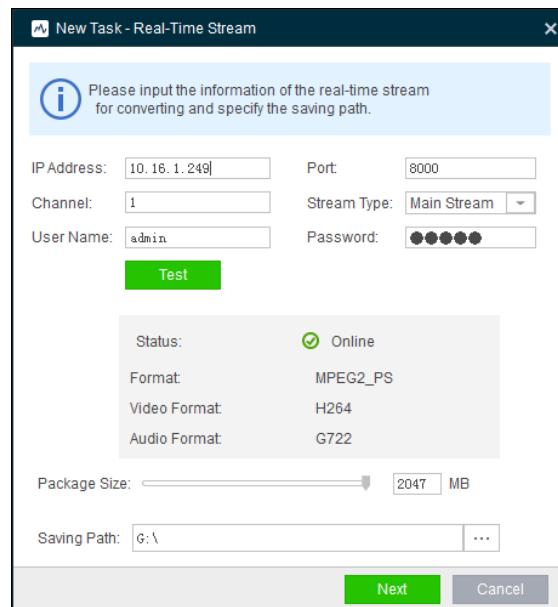
Channel: Set the channel No. If you input 3, then the stream of channel 3 of the device will be gotten.

Stream Type: The software will get the selected stream of the channel.

User Name: Input the user name of the device.

Password: Input the password of the device.

4. Click **Test** to connect to the real-time stream.
If connected, the status will be displayed as *Online* and the format information will show.
5. Set the package size of the converted file.
The maximum size of the converted file will be the configured value.
6. Set the saving path for storing the converted file.






7. Click **Next** and edit the conversion parameters for the file.
For details about editing the conversion parameters, refer to *Chapter 3.2 Editing Target Parameters*.

8. Click **OK** to save the settings.

The successfully added streams will list on the stream list panel.

You can also perform the following operations.

- Select the stream and click , or click **Edit Target Parameters** on the right-click menu to edit the target parameters. For details, refer to *Chapter 3.2 Editing Target Parameters*.
- Select the stream and click , or click **Delete** on the right-click menu to delete the video file.
- Click , or click **Clear** on the right-click menu to delete all the video files.

4.2 Converting Real-Time Stream


Purpose:

After adding the streams to the stream list, you can convert the streams to the target format.

Steps:

1. View the output settings below the list, including target format, video stream settings, and audio stream settings.

You can also view the original video parameters and target video parameters on the right panel.

2. (Optional) Click  in the play window on the lower-right corner to view the stream.
3. Click **Edit** to edit the target video parameters.

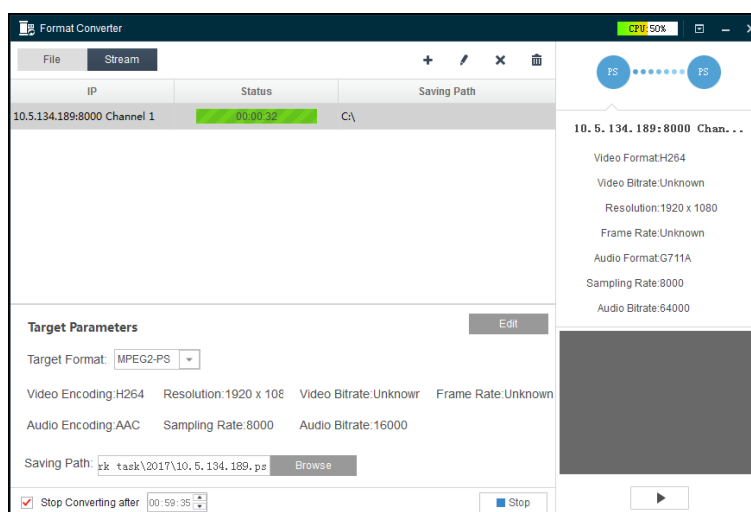
For details, refer to *Chapter 3.2 Editing Target Parameters*.

4. Set the saving path for storing the converted file.
5. Click **Start** to convert the selected stream.

The status of the stream will display the time length of the conversion process.

6. Click **Stop** to stop the conversion.

You can also check **Stop Converting after** checkbox and set the time duration. The conversion will stop after the configured time duration.



7. Right-click on the stream list and select **Open Saving Path** to pop up the folder that stores the target files and view the target files.

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